

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously presented) A transmitter for transmitting security codes at a plurality of modulations and frequencies comprising:

a plurality user manipulatable signal configuration switches which are adjusted by an operator to define signal configuration settings for transmitter signals, the signal configuration settings comprising at least a code to be transmitted by the transmitter;

a plurality of user manipulatable transmit initiation keys;

a controller responsive to the signal configuration switches during a learn mode for storing the signal configurations defined by the signal configuration switches in a memory location in association with selected ones of the user manipulatable transmit initiation keys;

apparatus responsive to user interaction with each transmit initiation key during an operate mode for retrieving the signal configuration stored in association therewith; and

transmitter circuitry for transmitting the retrieved signal configuration received from the controller at a predetermined frequency.

2. (Canceled)

3. (Previously presented) A transmitter according to claim 1, wherein the signal configuration switches comprise:

a multi-position switch for defining a type of transmitter that is to be emulated;

and

a multi-position switch for defining a code to be transmitted by the transmitter.

4. (Previously presented) A transmitter according to claim 1, wherein the transmit initiation keys comprise:

a first switch identifying to the controller the location of a first signal configuration to be retrieved and transmitted; an

a second switch identifying to the controller the location of a second signal configuration to be retrieved and transmitted.

5. (Original) A transmitter according to claim 1, wherein the transmitter circuitry comprises:

a single transmitter circuit for selectively transmitting a signal at one of a plurality of different frequencies.

6. (Original) A transmitter according to claim 5, wherein the single transmitter circuit further comprises a transmitter circuit selectively operable at frequencies of 300 MHZ, 310 MHZ and 390 MHZ.

7. (Previously presented) A transmitter according to claim 1, wherein the transmitter circuitry comprises:

a first transmitter circuit for transmitting at a first predetermined frequency;

and

a second transmitter circuit for transmitting at a second predetermined frequency.

8. (Currently Amended) A method of programming a universal transmitter comprising a plurality of user ~~maniputable~~ manipulatable signal configuration switches, the method comprising:

setting the plurality of signal configuration switches to a first set of positions defining a first signal configuration including a first code to be transmitted by the transmitter;

storing the first signal configuration defined by the signal configuration switches into a first memory location;

setting the plurality of signal configuration switches to a second set of positions defining a second signal configuration including a second code to be transmitted by the transmitter;

storing the second signal configuration defined by the signal configuration switches into a second memory location;

associating one of a plurality of transmit switches with each stored signal configuration; and

detecting user interaction with one of the plurality of transmit switches and transmitting the stored signal configuration associated therewith.

9. (Previously presented) A method of programming a transmitter comprising:

- setting a signal configuration switch to a first set of positions defining a first signal configuration including a first code to be transmitted by the transmitter;
- selecting one of a plurality of transmit switches with which the first signal configuration is to be associated;
- storing the first signal configuration into a first memory location;
- setting the signal configuration switch input to a second set of positions defining a second signal configuration including a second code to be transmitted by the transmitter;
- selecting one of the plurality of transmit switches with which the second signal configuration is to be associated; and
- storing the second selected signal configuration into a second memory location.

10. (Previously presented) A method of programming a transmitter including a plurality of multi-position signal configuration switches comprising:

- setting the multi-position switches to a first set of positions defining a first signal configuration including a first code to be transmitted by the transmitter;
- selecting one of a plurality of transmit switches during a first learn mode operation with which the first signal configuration is to be associated;
- storing the first signal configuration into a first memory location;
- setting the multi-position switches to a second set of positions defining to a second signal configuration including a second code to be transmitted by the transmitter;
- selecting one of a plurality of transmit switches during a second learn mode operation with which the second signal configuration is to be associated; and
- storing the second signal configuration into a second memory location.

11. (Previously presented) A method according to claim 10, comprising:
depressing a predetermined transmit switch for a predetermined period of time
in order to place the transmitter into a learn mode.
12. (Previously presented) A method according to claim 10, comprising:
identifying from the multi-position switch settings a type of transmitter to be
emulated.
13. (Previously presented) A method according to claim 10, comprising:
identifying from the multi-position switch settings a security code to be
transmitted.
14. (Previously presented) A method according to claim 10, comprising:
identifying from the multi-position switch settings a modulation format at
which a signal is to be transmitted.
15. (Previously presented) A method according to claim 10, comprising:
identifying from the multi-position settings a frequency at which a signal is to
be transmitted.

16. (Previously presented) A method of operating a code learning apparatus having a plurality of signal configuration switches, comprising steps of:

- setting a combination of the configuration switches to define a code signal configuration including a code signal to be learned by the code learning apparatus;
- activating a learn mode of the code learning apparatus;
- reading the identified code signal configuration from the configuration switches during the learn mode; and
- storing the code signal configuration read from the configuration switches in a predetermined memory location.

17. (Previously presented) A method in accordance with claim 16, wherein the combination of the configuration switch settings comprises a security code.

18. (Previously presented) A method in accordance with claim 16, wherein the code signal configuration identifies a security code and a code format in which the signal is to be transmitted.

19. (Previously presented) A method in accordance with claim 16, wherein a code learning apparatus comprises a plurality of transmit switches, the method further comprising steps of:

- identifying one of the transmit switches; and
- storing a code signal configuration in a memory location associated with the identified transmit switch.

20. (Previously presented) A method in accordance with claim 19, wherein the learning apparatus comprises at least one transmitter, and the method comprises:

- identifying one of the transmit switches during a transmit mode;
- reading from the memory, the code signal configuration associated with the identified transmit switch; and
- transmitting a signal in accordance with the code signal configuration read from the memory.

21. (Previously presented) A method in accordance with claim 20, wherein the at least one transmitter is an RF transmitter, and the code signal configuration includes a type of transmitter, an RF frequency and a modulation format in which a signal is to be transmitted.